

SAAHITI ANNAMNEEDI

(416) 877-5671

github.com/saahiti

3A Computer Engineering

stannamn@uwaterloo.ca

SKILLS SUMMARY

Programming Languages

Java, C++
Python, Ruby
Android, Swift
MongoDB, MySQL
VB.net, Maple

Web Development

Node.js + Express
Ruby on Rails
HTML/CSS
React.js
MySQL

Hardware

VHDL, ARM
Arduino

Tools

git
Eclipse, IntelliJ
Bash, Powershell
Teamcity, Rundeck
Vagrant, Chef

Excellent grasp of **OOP** design, data structures and algorithms
Learning enthusiast and **problem-solver**
Remarkably adaptable to fast-paced, **agile** environments
Keen eye for **quality**
Challenge seeker

Relevant Courses

Algorithms & Data Structures
Compilers
Machine Learning (Coursera)
Engineering Design with Embedded Systems
Digital Circuits & Systems

Activities & Interests

EngHack 2017
Rock Climbing
Intramural Dodgeball
Badminton
Historical fiction, fantasy

Education

University of Waterloo
Computer Engineering - Honors

WORK EXPERIENCE

TribalScale

Full Stack Engineer | Jan-Apr 2017

- Developed the backend for an iOS surveying app – including authentication, file-system management of multimedia content, custom report generation and a **RESTful API** using the Node.js, Express and MongoDB stack
- Created an NPM package to facilitate integration of analytics solutions such as Google Analytics, Segment and Mixpanel into any **Alexa application**
- Worked with a variety of large-scale client projects, including Amazon Alexa skills and ABC News' Android app with over **1M installs**
- Collaborated with product managers, designers and QA to meet changing client requirements with XP practices such as pair-programming, weekly builds, IPMs and daily stand-ups

Oracle

Software Developer – DevOps | May-Aug 2016

- Worked cross-team to maintain a continuous delivery pipeline – used tools such as Teamcity, Rundeck to manage build configurations, deploy hotfixes and monitor infrastructure
- Reduced run-time of biweekly maintenance tasks on remote-servers from hours to a few **minutes** – using Bash and Powershell scripts interacting with Chef, Sensu, Grafana and Selenium
- Developed features of the team's internal **Ruby API** and resource allocation dashboard to provision, repurpose and bulkimage VMs
- Implemented the backend of a webapp that visualizes lead scoring and influence analysis of Oracle's clients, using Node.js, HTML/CSS

N8 Identity

Java Developer | Sep-Dec 2015

- Worked on Employee Lifecycle Manager®, an identity and access management SaaS
- Implemented new features and bug-fixes to website and backend libraries using Spring Framework
- Designed and executed multi-threaded testing system to verify existing software, created **30,000+** JUnit tests and reduced test build time by **60%**
- Wrote SQL scripts to fix regressions in database
- Used web technologies such as PrimeFaces, Facelets, AJAX

PROJECTS

🔗 **Machine Learning** – ml101, an exploratory app in machine learning that leverages Python's pandas, numpy and scikit-learn libraries to perform supervised learning on data from the Human Development Report 2015

🔗 **SudokuSolver** – Generates interactive Sudoku puzzles of varying difficulty levels for user, can solve any valid puzzle, written in Java

🔗 **PoliticalMeter** – A Node.js web app that uses machine learning APIs to analyze the personalities of US presidential candidates, built at QHacks 2016

🔗 **Packaging Factory** - Designed a factory that sorts objects by size and places them into appropriate colour-coded containers, built using Arduino, SONAR detectors, SERVO motors and photo sensors